

IN THE CLAIMS

Please cancel claims 1, 2, and 16-28, and add new claims 29-33/ The status is as shown:

Claims 1-28 (canceled)

Claim 29 (new) A femoral component for an artificial hip joint, said femoral component comprising:

B a base stem segment comprising a tip portion and a cylinder portion extending from the tip portion along the diaphysial axis and at least a shoulder segment for a proximal end of a femur and having a bore to be centered on the diaphysial axis, the bore receiving the cylinder portion extending along the diaphysial axis to hold the base segment and the shoulder segment in alignment.

Claim 30 (New) The femoral component of claim 29 further including an intermediate stem segment fitted on the cylinder portion between the base stem segment and the shoulder segment.

Claim 31 (New) The femoral component of claim 29 wherein the shoulder segment has a surface centered around a collum centrum axis for mounting a base of a support for a femur shaft and head prosthesis lying along the collum-centrum axis.

Claim 32 (New) The femoral component of claim 29 and a femur shaft and head prosthesis having a support surface, the shoulder segment having a medial surface centered around a collum centrum axis of the shoulder segment and at least one tension carrying member anchored in the femur shaft and head prosthesis and clamping the support surface of the femur shaft and head prosthesis against the medial surface of the shoulder section,

said tension carrying member extending to the exterior of a femur when the shoulder segment and femur shaft and head prosthesis are supported on a femur.

B¹ Claim 33 (New) The femural component of claim 32 wherein the medial surface on the shoulder segment is concave and the support surface on the femur shaft and neck prosthesis is complimentary in shape.
